

- (d) boom extension position sensing system for sensing the relative extension of said boom;
- (e) arm position sensing system for sensing the rotational position of said arm arrangement;
- (f) actuators for extending and retracting said boom, reversibly rotating said mechanized arm arrangement and operating said container grabber device; and
- (g) a control system for controlling the operation of said container handling system.

37(New). A container handling system as in any one of claim 36 wherein said actuator for reversibly rotating said mechanized arm arrangement is a hydraulic rotary actuator attached to sense the said position of said hydraulic rotary actuator.

38(New). A container handling system as in claim 37 wherein said hydraulic rotary actuator has a double-ended output shaft and wherein said mechanized arm arrangement includes a pair of spaced parallel curved arms attached to opposite ends of a said double-ended output shaft of said hydraulic rotary actuator attached to sense the said position of said hydraulic rotary actuator.

39(New). A container handling system as in claim 36 wherein said control system includes a speed controller for controlling the rotational speed of said mechanized arm arrangement based on sensed arm position.

40(New). A container handling system as in claim 37 wherein said control system includes a speed controller for controlling the rotational speed of said mechanized arm arrangement based on sensed arm position.

41(New). A container handling system as in claim 37 wherein said sensing system for sensing the rotational position of said arm includes an angular displacement transducer attached to sense the said position of said hydraulic rotary actuator.

42(New). A container handling system as in claim 38 wherein said sensing system for sensing the rotational position of said arm includes an angular displacement transducer attached to sense the said position of said hydraulic rotary actuator.

43(New). A container handling system as in claim 36 wherein said mechanized arm arrangement includes a single curved arm member operated by a hydraulic cylinder.

44(New). A container handling system as in claim 43 further comprising control means for damping the action of said hydraulic cylinder toward the extremes of travel thereof.

45(New). A container handling system as in claim 36 wherein said extensible boom is mounted on a side loading refuse vehicle so as to enable the emptying of containers into a charging hopper of said vehicle.

46(New). A container handling system comprising:

- (a) a mechanized arm arrangement having a fixed end and having a free end, said arm arrangement including a pair of spaced parallel curved arms, said arm arrangement being rotatable in a vertical plane to locations including container-engaging, container-releasing, lift and dump positions;
- (b) a rotary actuator having a double-ended output shaft for carrying and reversibly rotating said mechanical arm arrangement wherein said fixed ends of said pair of spaced parallel curved arms are attached to opposite ends of said double-ended output shaft of said hydraulic rotary actuator;
- (c) a container grabber device for grabbing and releasing containers of interest carried by the free end of said arm arrangement;
- (d) actuator for operating said container grabber device;
- (e) a control system for controlling the operation of said container handling system; and
- (f) an extensible boom carrying said mechanized arm arrangement mounted so as to provide lateral motion to said mechanized arm arrangement.

47(New). A container handling system as in claim 46 wherein said control system includes a speed controller for controlling the rotational speed of said mechanized arm arrangement based on sensed arm position.

48(New). A container handling system as in claim 46 wherein said sensing system for sensing the rotational position of said arm includes an angular displacement transducer.

REMARKS

In accordance with above amendments, the original slate containing claims 1-35 has been cancelled, without disclaimer of any subject matter therein, in favour of a new slate containing claims 36-48. Thus, new claims 36-48 remain under consideration in this application and no claims have been allowed.